

For Research Use Only

AKAP1 Recombinant antibody

Catalog Number: 85119-2-RR



Basic Information

Catalog Number:

85119-2-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8037

GenBank Accession Number:

BC000729

GeneID (NCBI):

8165

UNIPROT ID:

Q92667

Full Name:

A kinase (PRKA) anchor protein 1

Calculated MW:

97 kDa

Observed MW:

149 kDa

Purification Method:

Protein A purification

CloneNo.:

242763A5

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, MCF-7 cells, PC-3 cells, Caco-2 cells

IF/ICC : HepG2 cells, MCF-7 cells

Background Information

AKAP1 (also termed AKAP149) is a human 149 kDa anchoring protein localized in mitochondria and the endoplasmic reticulum/nuclear envelope (ER-NE) network. It binds to type I and II regulatory subunits of protein kinase A and anchors them to the cytoplasmic face of the mitochondrial outer membrane. This protein is speculated to be involved in the cAMP-dependent signal transduction pathway and in directing RNA to a specific cellular compartment.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

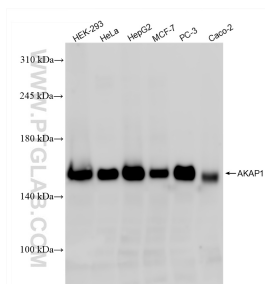
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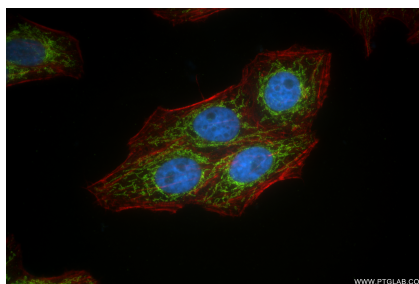
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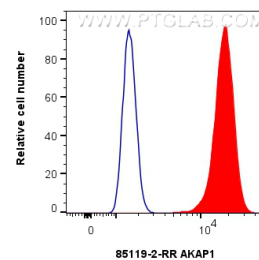
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85119-2-RR (AKAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using AKAP1 antibody (85119-2-RR, Clone: 242763A5) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ HEK-293T cells were intracellularly stained with 0.13 ug AKAP1 Recombinant antibody (85119-2-RR, Clone:242763A5) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.13 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).